

IN THE CLAIMS:

Although the claims are not amended herein, the claims are reprinted herein for the convenience of the Examiner.

1. (PREVIOUSLY PRESENTED) An information fragments editing system for executing an application program for obtaining information from an external application program to show the obtained information as an information object, comprising:

51 a unit for displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

an information storing unit storing contents and attribute information of an information object to be shown, the attribute information being concerned with showing the information object and including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object which are able to be modified after being created as an information object;

a drawing unit drawing the information object on said transparent window in accordance with the contents and attribute information relating to the display of the object stored in said information storing unit, the drawing unit changing a manner of drawing the information object on the basis of the attribute information;

an event analyzing unit analyzing all the events from and to an operation system and reporting a result of the analysis;

a message transmitting unit transmitting a control message to an external application program in order to get a selected information in the external application program; and

a performing unit performing at least any one of processes including a process of controlling said information storing unit, a process of controlling said message transmitting unit

and a process of controlling said drawing unit, in accordance with the result of the analysis reported from said event analyzing unit,

wherein in case that any information in an external application program has been selected and an event for obtaining the selected information has been analyzed by said event analyzing unit, the selected information is created as an information object so as to be shown on said transparent window by said drawing unit such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window will automatically be changed to have the same position and size as that of said window.

2. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object; and

means for returning the contents of the selected information object to the original external application program from which the information object has been obtained.

3. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object; and

means for inserting the contents of the selected information object into a specified external application program which is different from the original external application program from which the information object has been obtained.

4. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object; and

means for moving a position on the window where the selected information object is shown.

5. (PREVIOUSLY PRESENTED) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object; and

means for removing the contents and attribute information on the selected information object from said information storing unit and clearing display of the information object on the window.

6. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object;

means for changing the contents of the selected information object in accordance with an input from outside; and

means for showing the changed information object.

7. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object;

means for creating a new information object relating to the selected information object in accordance with an input from outside; and

means for showing the newly created information object.

8. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting created information objects;

means for creating a combined information object with which the contents of the selected information objects are combined; and

means for showing the combined information object.

9. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting a created information object;

means for creating separated information objects from which the contents of the selected information object are separated; and

means for showing the separated information objects.

10. (ORIGINAL) An information fragments editing system according to claim 1, further comprising:

means for selecting created information objects; and

means for grouping the selected information objects into one information object group.

11. (ORIGINAL) An information fragments editing system according to claim 10, wherein:

when one information object in the information object group has been selected and the location of the selected information object has been moved, all the other information objects in the information object group are moved in such a manner that the relative location thereof in the information object group is maintained.

12. (ORIGINAL) An information fragments editing system according to claim 10, wherein

when one information object in the information object group has been selected and the selected information object has been deleted, all the other information objects in the information object group are also deleted.

13. (ORIGINAL) An information fragments editing system according to claim 10, wherein one information object in the information object group is selected, and the relationship of the selected information object in the information object group is canceled.

51 14. (ORIGINAL) An information fragments editing system according to claim 10, wherein
two information objects are selected, and a hierarchical relationship is given to the selected information objects to form an information object group.

15. (ORIGINAL) An information fragments editing system according to claim 14, wherein
a master information object or a slave information object belonging to the information object group in which the hierarchical relationship is given is selected, and the selected information object is deleted.

16. (ORIGINAL) An information fragments editing system according to claim 10, wherein
an information object belonging to any one of information object groups and an information object which does not belong to any information object group are shown on the window by different ways.

17. (PREVIOUSLY PRESENTED) A computer memory product storing a computer program for obtaining information from an external application program and showing the obtained information as an information object, said computer program comprising the steps of:

displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window detecting a position and a size of said window and having a position and a size being the same as the detected position and size of said window based upon the detecting of the position and size;

analyzing an event for selecting information to be obtained from and to an external application program;

obtaining information from the external application program in accordance with the result of the analysis;

creating an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

showing the information object on said transparent window in accordance with information contents and attribute information relating to display of objects such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window changes the position or the size thereof to be the same as that of said window.

18. (ORIGINAL) A computer memory product according to claim 17, said computer program further comprising the steps of:

selecting a created information object; and

returning the contents of the selected information object to the original external application program from which the information object has been obtained or a specified external application program which is different from the original external application program.

19. (ORIGINAL) A computer memory product according to claim 17, said computer program further comprising the steps of:

selecting a created information object; and
editing the contents of the selected information object.

20. (ORIGINAL) A computer memory product according to claim 19, wherein said editing process includes at least one of processes including a process for moving the location of the information object, a process for deleting the information object, a process for changing the contents of the information object, a process for creating a new information object related to other information object, a process for combining information objects and a process for grouping information objects.

21. (PREVIOUSLY PRESENTED) A computer memory product having computer readable program code means capable of reading by a computer for obtaining information from an external application program and showing the obtained information as an information object, said computer readable program code means comprising:

program code means for causing the computer to display, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

program code means for causing the computer to analyze an event for selecting

information to be obtained from and to an external application program;

program code means for causing the computer to obtain information from the external application program in accordance with the result of the analysis;

program code means for causing the computer to create an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

program code means for causing the computer to display the information object on said transparent window in accordance with information contents and attribute information relating to display of objects such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window will automatically be changed to have the same position and size as that of said window.

22. (ORIGINAL) A computer memory product according to claim 21, said computer readable program code means further comprising:

program code means for causing the computer to select a created information object; and

program code means for causing the computer to insert the contents of the selected information object into the original external application program from which the information object has been obtained or a specified external application program which is different from the original external application program.

23. (ORIGINAL) A computer memory product according to claim 21, said computer readable program code means further comprising:

program code means for causing the computer to select a created information object;
and

program code means for causing the computer to edit the contents of the selected information object.

24. (PREVIOUSLY PRESENTED) A computer memory product according to claim 23, wherein said program code means for causing the computer to edit the contents of the selected information object comprises at least one of:

program code means including program code means for causing the computer to move the location of the information object,

program code means for causing the computer to delete the information object,

program code means for causing the computer to change the contents of the information object,

program code means for causing the computer to create a new information object related to other information object,

program code means for causing the computer to combine information objects, and

program code means for causing the computer to group information objects.

25. (PREVIOUSLY PRESENTED) A computer readable storage controlling a computer by:

displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

analyzing an event for selecting information to be obtained from and to an external application program and obtaining information from the external application program in

accordance with the result of the analysis;

creating an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

displaying the information object on said transparent window in accordance with information contents and attribute information relating to display of objects,

wherein when the position or the size of said window changes, said transparent window will automatically be changed to have the same position and size as that of said window.

26. (PREVIOUSLY PRESENTED) A computer memory product having computer readable program code capable of reading by a computer for obtaining information from an external application program and showing the obtained information as an information object, said computer readable program code comprising:

code causing the computer to display, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

code causing the computer to analyze an event for selecting information to be obtained from and to an external application program and to obtain information from the external application program in accordance with the result of the analysis;

code causing the computer to create an information object in accordance with the obtained information and attribute information, the attribute information including object ID, object type, information type, priority for showing, time stamp, object ID of link-destination object and object ID of a next object, which are able to be modified after being created as an information object; and

code for causing the computer to display the information object on the transparent window in accordance with information contents and attribute information relating to display of objects.

wherein when the position or the size of said window changes, said transparent window will automatically be changed to have the same position and size as that of said window.

27. (PREVIOUSLY PRESENTED) An information fragments editing system for executing an application program for obtaining information from all external application program to show the obtained information as an information object, comprising:

a unit for displaying, on a window displaying information controlled by an external application program, a transparent window through which contents of the information controlled by the external application program is seen, said transparent window having a position and size being a same position and a same size as said window;

an information storing unit storing contents and attribute information of an information object to be shown;

a drawing unit drawing the information object on said transparent window in accordance with the contents and attribute information relating to the display of the object stored in said information storing unit, the drawing unit changing a manner of drawing the information object on the basis of the attribute information;

an event analyzing unit analyzing all the events from and to an operation system and reporting a result of the analysis;

a message transmitting unit transmitting a control message to an external application program in order to get a selected information in the external application program; and

a performing unit performing at least any one of processes including a process of controlling said information storing unit, a process of controlling said message transmitting unit and a process of controlling said drawing unit, in accordance with the result of the analysis

reported from said event analyzing unit,

51 wherein in case that any information in an external application program has been selected and an event for obtaining the selected information has been analyzed by said event analyzing unit, the selected information is created as an information object so as to be shown on said transparent window by said drawing unit such that the information object appears different from any non-selected information in the external application program,

wherein when the position or the size of said window changes, said transparent window will automatically be changed to have the same position and size as that of said window.
